POND KIT WITH LINER
9’ X 6’
Model 94945

ASSEMBLY AND OPERATING INSTRUCTIONS

Due to continuing improvements, actual product may differ slightly from the product described herein.

Distributed Exclusively by HARBOR FREIGHT TOOLS®

**TO PREVENT SERIOUS INJURY,
READ AND UNDERSTAND ALL WARNINGS
AND INSTRUCTIONS BEFORE USE.**

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For technical questions and replacement parts, please call 1-800-444-3353.

PRODUCT SPECIFICATIONS

Pond Liner	PE Waterproof Sheet 6.6 Ft. x 9.8 Ft. x .28 mm
Pump Voltage	Power Consumption 8 Watts, Delivery Volume; Max. 600 l/h, 158 Gal/Hr.
Transformer	120 V~, 60 Hz (input), 12 V~, 1100 mA (output)
Description of Power Cord	19.6 Ft., Outdoor Cable

SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

GENERAL SAFETY RULES

⚠ WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS
Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.
SAVE THESE INSTRUCTIONS

WORK AREA

1. **Keep work area clean**. Cluttered areas invite injuries.
2. **Observe work area conditions**. Keep work area well lighted. Do not use electrically powered pumps in the presence of flammable gases or liquids.
3. **Keep children away**. Children must never be allowed in the pond. Do not let them handle the Pump, tools, or extension cords. The pond should be surrounded by adequate fencing with locked gate to assure that children do not have access to the pond.
4. **Store idle equipment**. When not in use, the Pump must be stored in a dry location to inhibit rust. Always lock up equipment and keep out of reach of children.

5. **Use the right tool for the job**. Do not attempt to force a small Pump to do the work of a larger industrial Pump. There are certain applications for which this Pump was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this Pump and do not use this Pump for a purpose for which it was not intended.

6. **Maintain Pump with care**. Keep Pump and filter clean for better and safer performance. Follow instructions for changing accessories. Inspect tool cord periodically, and if damaged, have it repaired by an authorized technician.

7. **Disconnect power**. Unplug Pump when not in use.

8. **Stay alert**. Watch what you are doing, use common sense. Do not operate any Pump when you are tired.

9. **Check for damaged parts**. Before using any Pond Kit, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.

10. **Replacement parts and accessories**. When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this kit. Approved accessories are available from Harbor Freight Tools.

11. **Do not operate Pump if under the influence of alcohol or drugs**. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the Pump.

12. **Use proper size and type extension cord**. If an extension cord is required, it must be of the proper size and type to supply the correct current to the tool without heating up. Otherwise, the extension cord could melt and catch fire, or cause electrical damage to the tool. This product requires use of an extension cord of **0 to 10 amps** capability (up to 50 feet), with wire size rated at **18 AWG**. Longer extension cords require larger size wire. If you are using the product outdoors, use an extension cord rated for outdoor use (signified by “WA” on the jacket).

13. **Maintenance**. For your safety, maintenance should be performed regularly by a qualified technician.

ELECTRICAL SAFETY

1. **Grounded plugs must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.** If the pump for the Pool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.

2. **The Pool Pump cord is equipped with a three-prong plug. This plug will fit in an outlet only one way. If it does not fit, contact a qualified electrician.**

3. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increase ◻ sk of electric shock if your body is grounded.

4. **Do not expose the electric plugs to rain or wet conditions.** Water entering a power source will increase the risk of electric shock.

5. **Do not abuse the Power Cord. Never use the Power Cord to carry the tools or pull the Plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.

6. **When operating a power source outside, use an outdoor extension cord marked "W-A" or "W".** These extension cords are rated for outdoor use, and reduce the risk of electric shock.

PERSONAL SAFETY

7. **Stay alert. Watch what you are doing, and use common sense when operating a power source. Do not use a power source while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power source may result in serious personal injury.

8. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts**. Loose clothes, jewelry, or long hair can be caught in moving parts.

9. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control in unexpected situations.

10. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. All of these are available at Harbor Freight Tools.

USE AND CARE

11. **Use clamps (not included) or other practical ways to secure and support the work piece.** Holding the work by hand or against your body is unstable and may lead to loss of control.

12. **Disconnect the Power Cord Plug from the power source before making any adjustments, changing accessories, or storing.**

13. **Maintain Pool with care. Keep Pool Liner and filter clean.** Standing water draws misquotes, algae, and bacteria. This manual will not cover all aspects of maintaining clean water. Locate your local Garden Shop or garden supply store for details.

14. **Check for misalignment or tears in the Liner. The Liner needs to have approximately 1 ft. of overhang around the edge of the hole. If damaged, have the Liner replaced before using.** Accidents could be caused by poor maintenance and construction of the Pool.

15. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.

SERVICE

16. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

17. **When servicing a tool, use only identical replacement parts. Follow instructions in the *"Inspection, Maintenance, And Cleaning"* section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

UNPACKING

When unpacking, check to make sure all the parts shown on the **Parts List on page 14** are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

GROUNDING

⚠ WARNING!

Improperly connecting the grounding wire can result in the risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

GROUNDED TOOLS: TOOLS WITH THREE PRONG PLUGS

1. Tools marked with "Grounding Required" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. **(See Figure A.)**

2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attached to an electrically "live" terminal. **(See Figure A.)**

3. Your tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the following illustration. **(See Figure A.)**

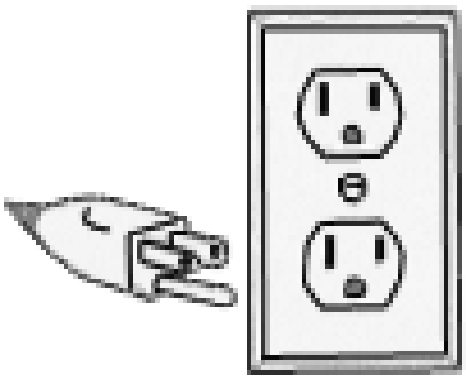


FIGURE A

DOUBLE INSULATED TOOLS: TOOLS WITH TWO PRONG PLUGS

4. Tools marked “Double Insulated” do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code. **(See Figure B.)**

5. Double insulated tools may be used in either of the 120 volt outlets shown in the following illustration. **(See Figure B.)**

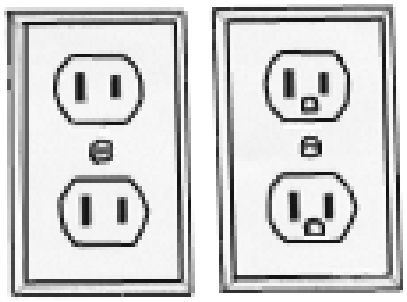


FIGURE B

EXTENSION CORDS

1. ***Grounded*** tools require a three wire extension cord. ***Double Insulated*** tools can use either a two or three wire extension cord.

2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. **(See Figure C, next page.)**

3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. **(See Figure C.)**

4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. **(See Figure C.)**

5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. **(See Figure C.)**

6. If you are using an extension cord outdoors, make sure it is marked with the suffix “W-A” (“W” in Canada) to indicate it is acceptable for outdoor use.

7. Make sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.

8. Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS* (120 VOLT)

NAMEPLATE AMPERES (At Full Load)	EXTENSION CORD LENGTH				
	25 Feet	50 Feet	75 Feet	100 Feet	150 Feet
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

FIGURE C

SYMBOLOGY

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
V ~	**Volts Alternating Current**
A	**Amperes**
n_o **xxxx/min.**	**No Load Revolutions per Minute (RPM)**

ADDITIONAL PUMP WARNINGS

1. This pump is intended for clear water fountains only. Not intended for any other use including swimming pools.

2. The National Electric Code requires a ground fault interrupter (GFCI) be used in the circuit supplying power to this pump. Consult an electrician for proper installation.

3. For proper cooling, this pump must be completely submerged.

4. Do not let this pump run dry.

5. Do not use this pump with hot water. Only use fresh, clean water.

6. Always disconnect the pump from the power outlet before putting your hands, or any part of your body, into the pond. Never handle the pump when it is plugged in.

7. Do not use the pump if the cord is damaged.

8. Make sure the area around the power outlet is completely dry. Do not plug in the pump or any electric appliance when in contact with moisture. Hands and feet must be completely dry when plugging in or unplugging the electrical cord.

Operation

General Pond Construction

NOTE: For a pond 2 feet deep, the maximum hole size is about 4' x 7'. This allows for approximately 1 foot of liner to overlap the edge. The deeper the pond, the smaller the hole size must be.

1. Remove the layer of sod if necessary.

2. Dig the hole for the pond. When determining how deep to go, remember that the pump must be elevated on bricks or a platform so that the pump is completely submerged, but the fountain or bell head is above the surface. It is recommended that you do not exceed 24 inches in depth. You must plan the hole so that the liner will reach to just above the rim of the pond so it can be held in place with rocks.

3. Usually, a layer of sand (not included) 2" deep should be placed at the bottom of the hole. The liner goes down next (on top of the sand). It is important to overlap the sides. Bring the edges of the liners up around the rim of the pond and hold them in place with rocks.

4. Build a solid, flat, and level platform, or stack bricks, large enough for the pump to sit on. Remember that the pump must be completely submerged, but the fountain or bell head must be above the surface. Place the Fountain Pump (2) on the brick at the base of the Liner (3).

Note: Once you have filled the pond with water, if the pump tries to float, weigh it down with a brick or rock.

5. Connect the outlet of the Fountain Pump (2) to the Flow Regulator (6).

6. Connect the Flow Regulator (6) to the Riser Tube (7).

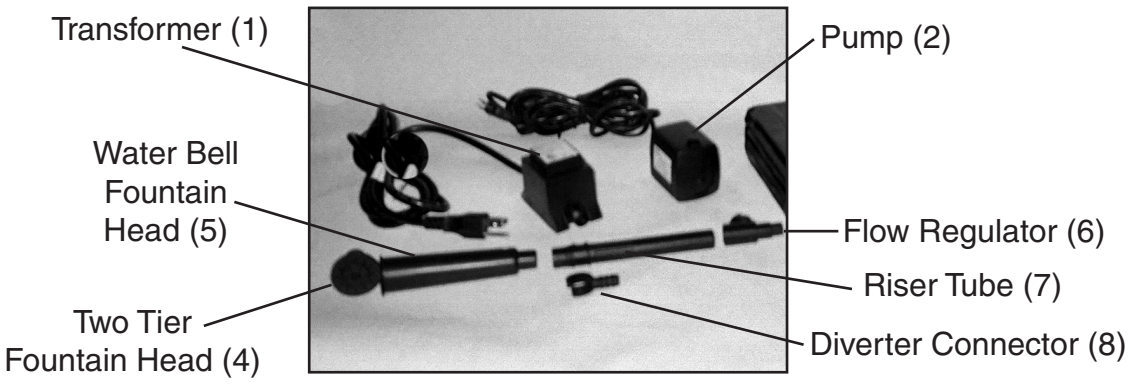


FIGURE 1

OPERATING INSTRUCTIONS (continued)

7. Connect either the Two Tier Fountain Head (4) or the Water Bell Fountain Head (5) to the telescopic tube of the Riser Tube (7). *See Figure 1 on page 10.*

8. The Riser Tube (7) comes with a Diverter Connector (8) to shut off the flow of water on the side of the outlet. To activate the Diverter (8), turn the Diverter counterclockwise until it clicks. *See Figure 1 on page 10.*

9. With a few adjustments, the fountain in the Pool is ready for use.

10. Run the power or extension cord to the power outlet, but do not plug it in until you fill the pond and the Fountain Pump with Filter (2) are submersed in water. **Note**: Make sure there is no air in the connection hose between the filter and the pump.

11. Fill the pond until the unit is submersed while the Fountain Head (5) remains above the surface.

12. Check that the pond water remains self-contained and that the overall appearance of the pond looks stable.

13. Add a little anti-algae conditioner (not provided) to the water, following the directions on the bottle. This can be purchased at a Swimming Pool equipment supplier or Pet Store. Make certain the anti-algae conditioner is not toxic to fish (if you they are present in the pond.)

14. Plug in the unit and enjoy your pond.

Remember: If you wish to change the spray pattern, first unplug the pump at the outlet and then adjust the spray.

CLEANING THE FILTER IN THE PUMP

1. To clean the Pump Filter, remove the front cover and impeller. *See Figure 2.*

2. Use a small brush or stream of water to remove any debris. IF THE PUMP FAILS TO OPERATE. CHECK THE CIRCUIT BREAKER OR TRY ANOTHER OUTLET. CHECK THAT THE PUMP IS GETTING ELECTRICAL POWER.

3. If the Pump is used on a dirty surface, raise it slightly to reduce the amount of debris contacting the intake.

4. Adjust the Flow Control on the end of the Pump (2) for less flow or to restrict the flow. *See Figure 2.*

5. Do not let the Pump run when it is NOT submerged in water. Running the Pump out of the water will damage the Pump.

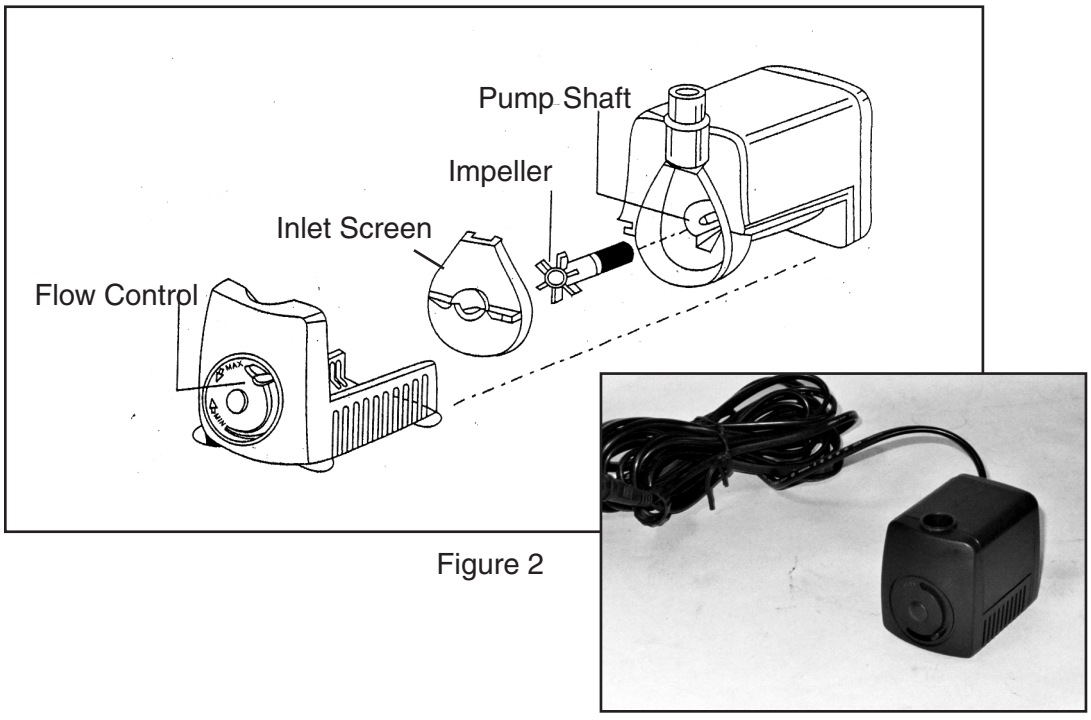


Figure 2

INSPECTION, MAINTENANCE, AND CLEANING

1. If the Pump (2) fails to operate, check the circuit breaker and try another outlet. NOTE: Always disconnect from electrical outlet before handling the Pump.

2. Pull apart the Pump as shown in Figure 3. Check the inlet screen to ensure it is not clogged with debris.

3. Remove the Pump to access the Impeller area. Turn the rotor to insure it is not broken or jammed. Re-assemble.

4. Monthly maintenance will add to your Pump's life.

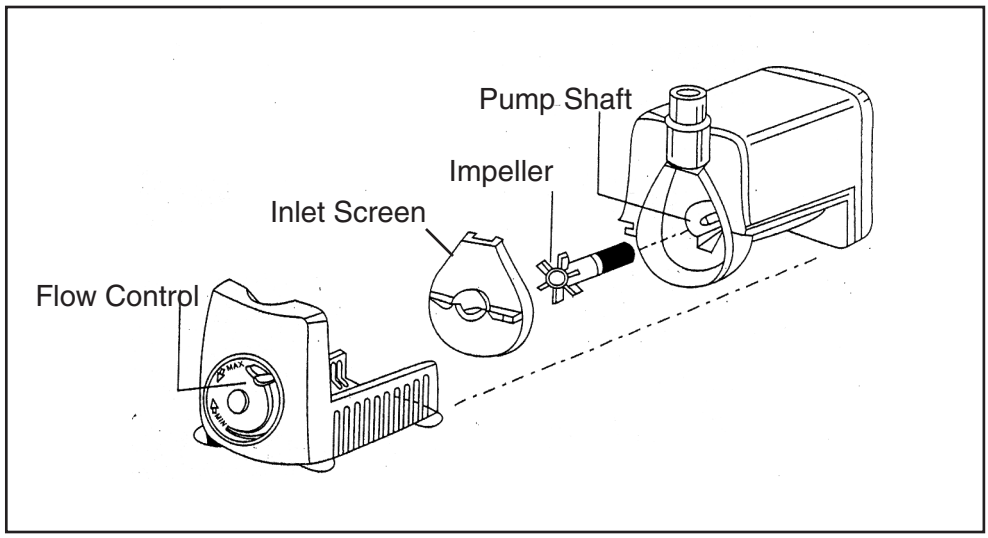


Figure 3

5. In areas where freezing temperatures occur, drain the pond and remove the Pump for the season.

6. Using a basic pool cleaning net, keep the pond water clean. If the water becomes excessively dirty, drain the pond (using a sump pump-not included) and refill with fresh water.

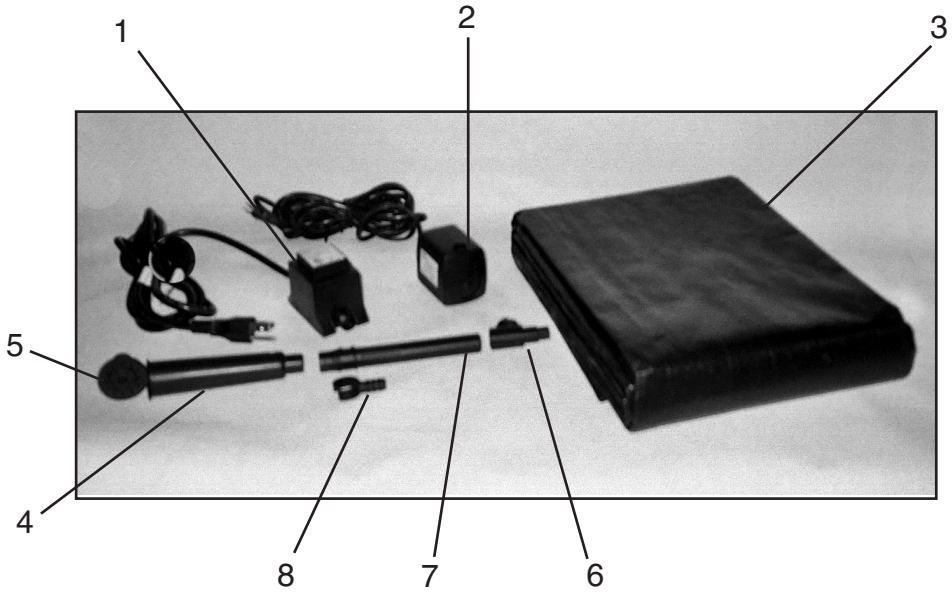
7. Do not scrape the sides of the pond with any tool or you may puncture the liner.

8. If algae forms, empty pool, remove debris and scrub the surface with a brush. Refill with water no cooler than 30^0 and add an algae fighting solution.

9. This pool is NOT intended to be a fish pond. You can place water lilies and other water plants in the pool.

PARTS LIST

Part	Description	Qty.
1	Transformer	1
2	Fountain Pump	1
3	2M x 3M Pond Liner	1
4	Two Tier Fountain Head	1
5	Water Bell Fountain Head	1
6	Flow Regulator	1
7	Riser Tube	1
8	Diverter Connector	1



NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.